

Electrohydrodynamic Jet Printing System

Description

Dimatix DMP 2831

Location

Rm510A, Biotech Centre 1

Features

Printing system

- Piezo jetting technology
- Deposition of fluidic materials on A4 substrate
- Handles substrates up to 25 mm thick
- Vacuum platen can be heated up to 60°C
- Cartridge has 16 nozzles, with drop size of 1 or 10 picoliters

Drop watch camera

- Real time viewing of drop formation
- Allows manipulation of the electronic pulses for optimization of the drop characteristics

Fiducial camera

- Viewing of substrate and printed pattern
- Allows substrate rotation alignment using reference marks
- Provides measurement of features and locations
- Allows matching drop placement to previously patterned substrate

Applications

- Prototype and sample generation
- Deposition of biological fluids including DNA arrays, proteomics
- Product development
- Materials and fluid development and evaluation

Contact

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